

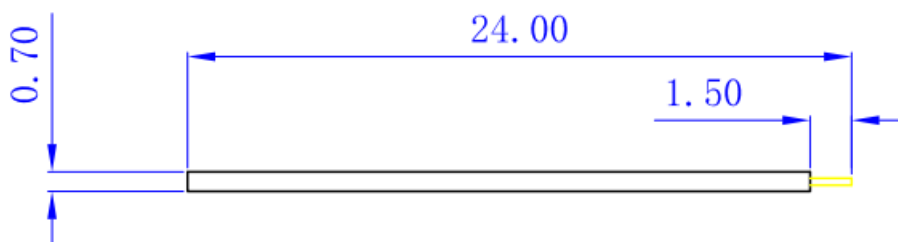
Product specification

Quick Reference Date

Supplier Name	Shenzhen Kaipushen Communication Technology Co., Ltd
Address	2nd Floor, Yulong Office Building, Longcheng Industrial Zone, No. 440 Longguan Avenue, Dalang Street, Longhua District, Shenzhen City
Antenna type	Wire Antenna
Frequenc Range	2400 ~ 2500GHz
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr – loss pwr)
Peak EIRP(dBm)	1.2
Directivity (dBi)	-1(all direction antenna)
Efficiency (dB)	12 %
Gain (dBi)	-4.06 (Avg Gain XY-plane)
Maximum Power (dBm)	1.9(XY-plane)
Minimum Power (dBm)	-5(XY-plane)
Avg. Power (dBm)	-0.8(XY-plane)
Input Impendence(ohm)	50
Polarization Type	Vertical & Horizontal
V. S .W. R	< 1.4

All the technical data and information contained herein are subject to change without prior notice

Antenna Layout & module on the system board

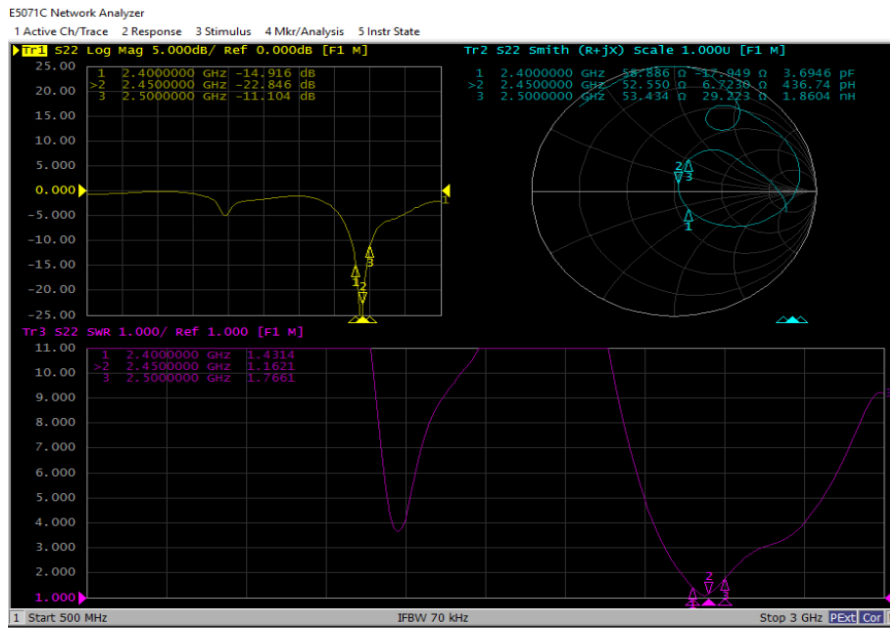


Antenna Gain

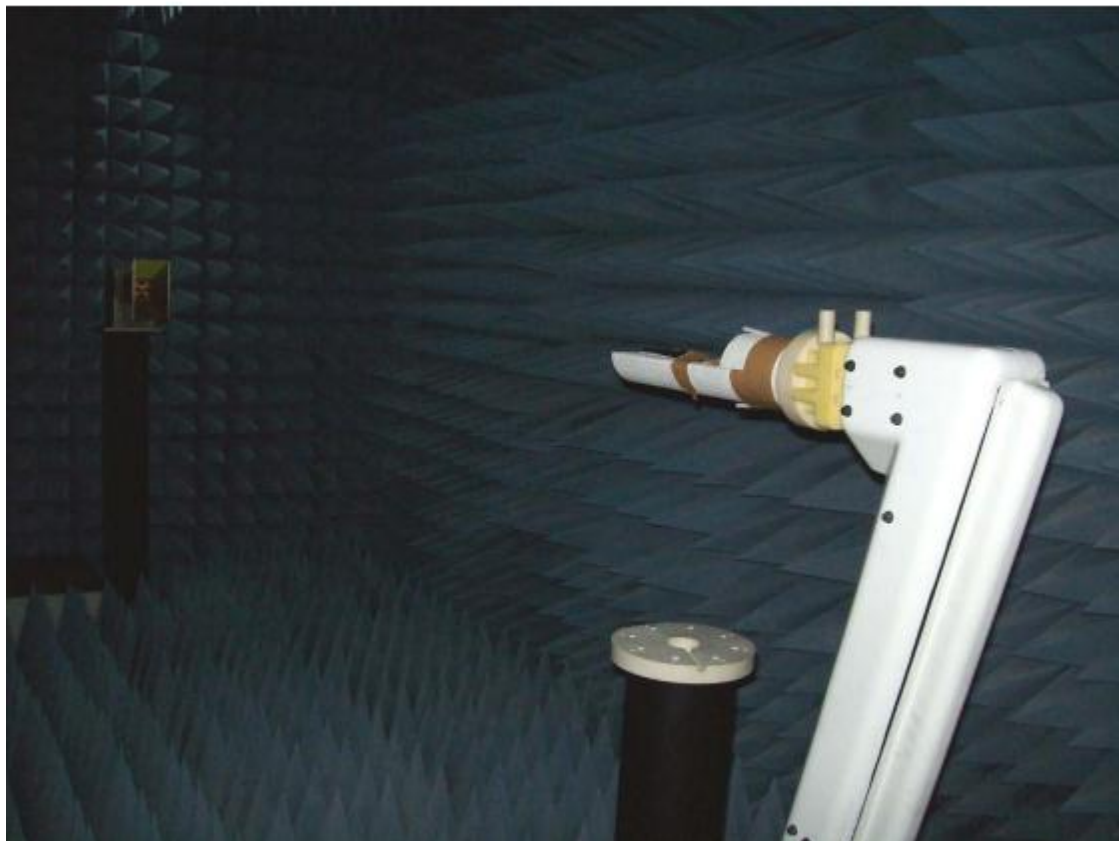
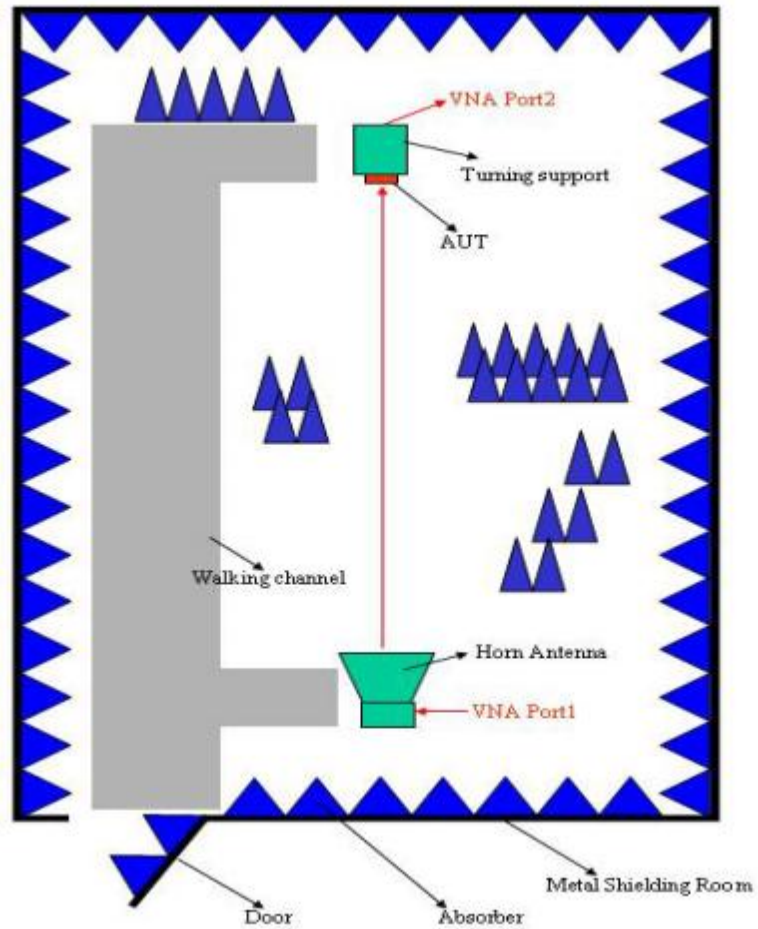
Passive efficiency - Free

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	21.34	-6.71	-4.95
2410	21.62	-6.65	-4.86
2420	22.79	-6.42	-4.49
2430	23.89	-6.22	-4.17
2440	25.46	-5.94	-4.8
2450	25.35	-5.96	-4.74
2460	24.23	-6.16	-4.84
2470	21.8	-6.62	-4.17
2480	21.1	-6.76	-4.27
2490	21.31	-6.71	-4.06
2500	21.74	-6.61	-4.92

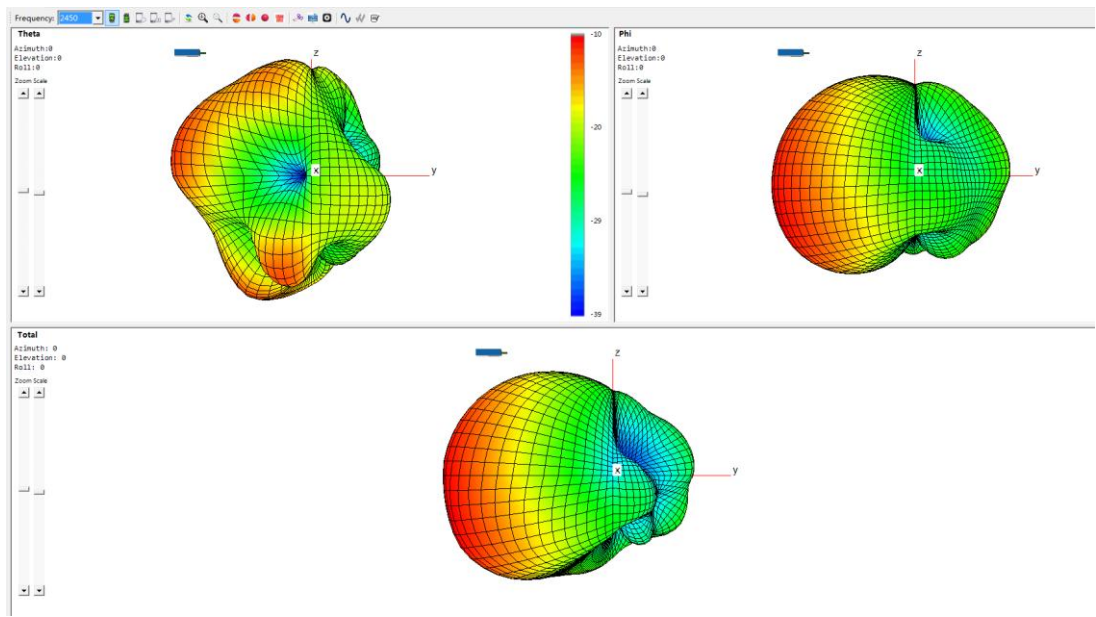
Return Loss



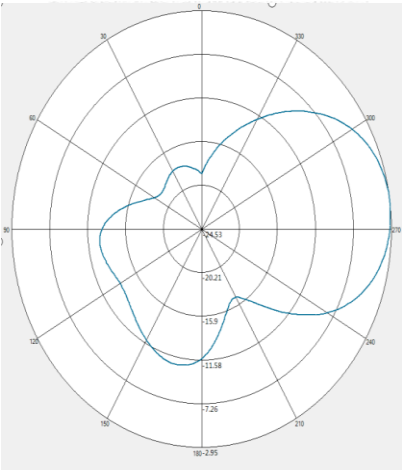
The Environment of Antenna Radiation Pattern



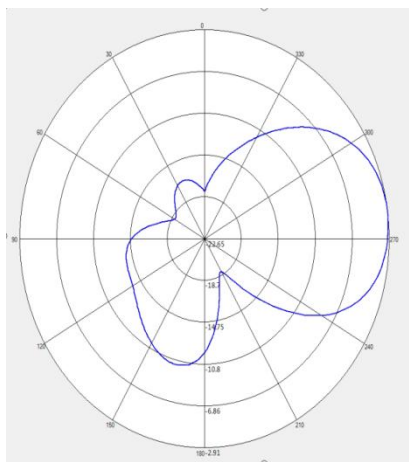
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

